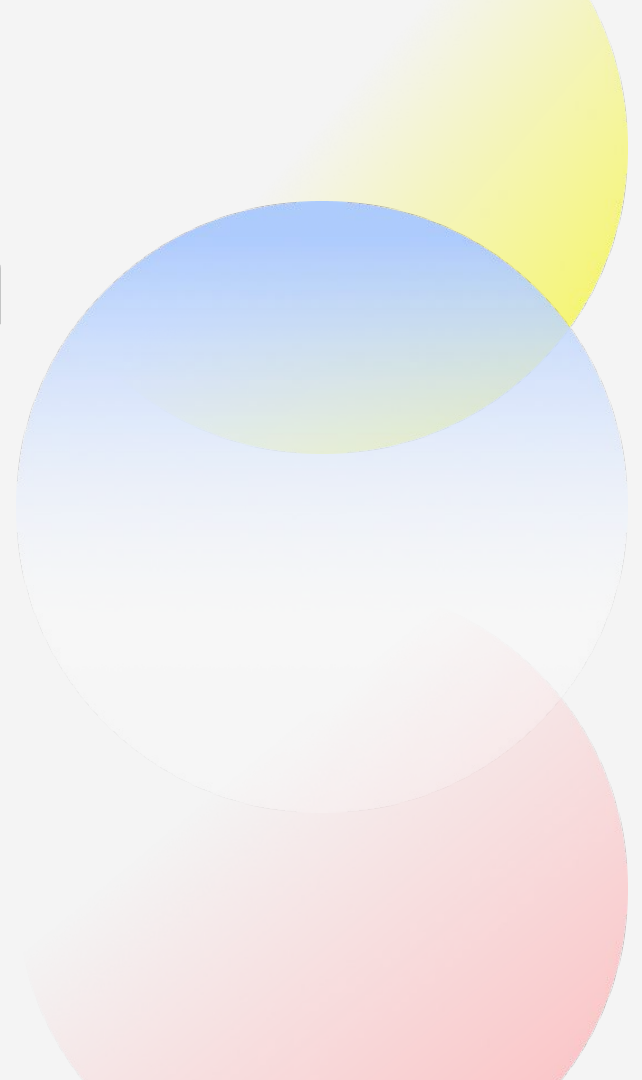


# Accessibility in Practice

Penny Kronz, CPACC  
VP of Client Services @ DubBot



Because practice makes **PROGRESS.**

DubBot

## About me



Web Developer  
Accessibility Tester  
Problem Solver

Penny Kronz, CPACC  
*VP of Client Services @ DubBot*

DubBot

## About DubBot



Automated Accessibility &  
Web Quality Assurance Tester

Based out of Decatur, GA

# Why Accessibility Matters

Americans with Disabilities  
Act – Title II

DOJ ruling, April 2024

[Americans with Disabilities Act](#)  
[Title II Regulations](#)



## **But also:**

Accessibility best practices lead to...

Better SEO,

Improved mobile experiences,

& Overall website usability.

# Accessibility **in the physical space**

- Curb cuts on sidewalks
- Elevators
- Automatic doors
- Voice to text



# Accessibility **on the web**

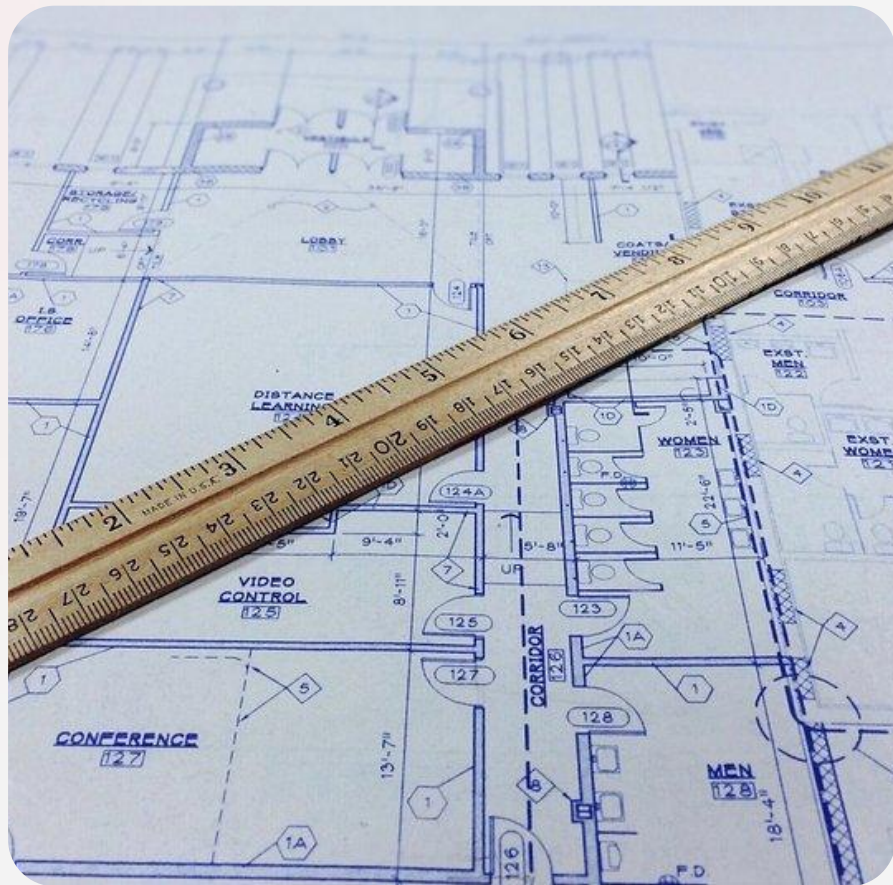


- Captions on videos
- Click areas for mobile friendly use
- Color contrast to better see in sunny environments
- Form best practices



# Accessibility standards

- WCAG (Website Content Accessibility Guidelines)
- Section 508



# WCAG – A Quick Review



WCAG 2.0 → 2.1 → 2.2



# WCAG



Perceivable. Operable. Understandable.  
Robust. (POUR)

The meat of testing is the **Success Criterion**. These are divided into the categories of POUR

# Getting started with DubBot

- ☐ Attend a training session
- ☐ Get a login
- ☐ Access DubBot
- ☐ Find issues
- ☐ Identify the fix
- ☐ Make the fix
- ☐ Publish the change
- ☐ Refresh Content or wait for next report





DubBot

*Final training session is:*

*tomorrow @11 AM*

*Registration is open!*

<https://dubbot.com/training/state-of-north-carolina.html>

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DubBot

# Access DubBot

Using SSO with  
@[nc.gov](https://nc.gov) or @[domain.nc.gov](https://domain.nc.gov) emails:  
<https://nc.dubbot.com>


With other domains:  
<https://app.dubbot.com>  
(You will need to make a password)

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Find issues  
(Low-Hanging Fruit)



# *Common Issues in DubBot*

## 4.1.2 - Frames have titles

Frames must have an accessible name

## 1.1.1 - Images have Alt Text

Images must have alternate text

## 2.4.4 - Link text is quality

Learn More is used as link text

Click Here is used as link text

Link is used as link text

Here is used as link text

Read More is used as link text

## 2.4.4 - Links have text

Link does not have readable (discernible)  
link text



# *Common Issues in DubBot*

## 4.1.2 - Forms used have Label

Form elements must have labels

## 1.4.3 - Color Contrast

Elements must meet minimum color contrast ratio thresholds

## Broken Links

404 errors

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# Frame element needs a title attribute

```
<iframe style="border-style:none;overflow:hidden;"
src="https://www.facebook.com/plugins/post.php?href=https%3A%2F%2Fwww.facebook.com%2Fncclabor%2Fposts%2Fpfbid02L5Up
hi9bGMugD2SZkVBk&amp;show_text=true&amp;width=340" width="340" height="500" scrolling="no" frameborder="0"
allowfullscreen="true" allow="autoplay; clipboard-write; encrypted-media; picture-in-picture; web-share">
```

For instance:

```
title="NC social feed"
```

The screenshot shows a web accessibility audit tool interface. The top navigation bar includes a back arrow, the URL <https://dctraining.nc.gov/webforms-beginners-training/dawain-february-webform-class>, and buttons for 'Refresh Content', 'Analyze', and 'View in'. Below the URL, it states 'Last crawled on: 07/26/2025 11:45 PM'. The main content area is divided into a left sidebar and a right pane. The sidebar contains a list of icons and a title 'Frames must have an accessible name' with a count of 1. The right pane displays the details of the violation, including a description, impact, and a list of violations. The description states: 'Providing an accessible name allows web visitors utilizing a screen reader to know what is contained in an iframe or frame embed. This information allows users to more quickly determine whether they want to drill into the embedded content or skip over it when navigating webpage content.' The impact is labeled 'serious'. The violations list includes 'WCAG 2.1 Level A: 4.1.2 Name, Role, Value' and 'Section 508: 1194.22 (i) Frame titles for identification and navigation'. The right pane also shows a preview of the webpage content, which includes a Facebook post from the NC Department of Labor.

https://dctraining.nc.gov/webforms-beginners-training/dawain-february-webform-class  
Last crawled on: 07/26/2025 11:45 PM

Refresh Content Analyze View in

Frames must have an accessible name 1

Providing an accessible name allows web visitors utilizing a screen reader to know what is contained in an iframe or frame embed. This information allows users to more quickly determine whether they want to drill into the embedded content or skip over it when navigating webpage content.

Impact: serious

Violations

- WCAG 2.1 Level A: 4.1.2 Name, Role, Value
- Section 508: 1194.22 (i) Frame titles for identification and navigation

1 of 1

NC Department of Labor  
about 6 months ago

Proud to have spoken and presented awards at the Gold Star Growers Meeting last Friday. I congratulated the growers for their efforts to keep and maintain top notch housing for their workers. It was a privilege to recognize excellence.

For more on the Gold Star program:  
<https://www.labor.nc.gov/.../recogni.../gold-star-grower-program>

# Frame element needs a title attribute

```
<iframe style="border-style:none;overflow:hidden;"
src="https://www.facebook.com/plugins/post.php?href=https%3A%2F%2Fwww.facebook.com%2Fncclabor%2Fposts%2Fpfbid02L5Up
hi9bGMugD2SZkVBk&show_text=true&width=340" width="340" height="500" scrolling="no" frameborder="0"
allowfullscreen="true" allow="autoplay; clipboard-write; encrypted-media; picture-in-picture; web-share"
title="NC social feed">
```

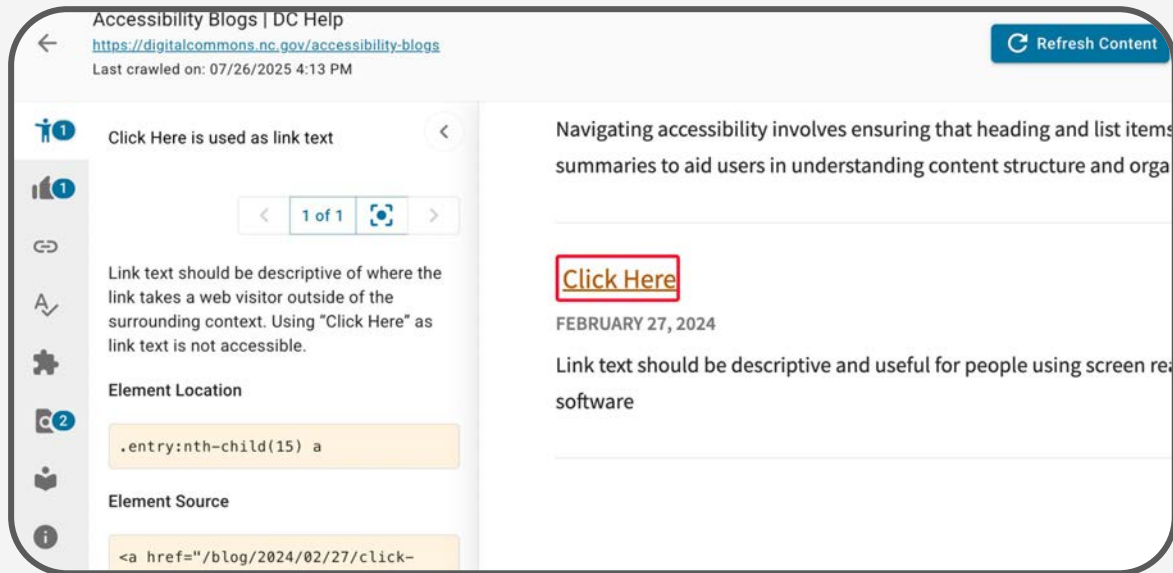
The screenshot shows a web browser window with a URL bar displaying <https://dctraining.nc.gov/webforms-beginners-training/dawain-february-webform-class>. The page content includes a Facebook social feed from the NC Department of Labor. On the left side of the browser, an accessibility checker sidebar is open, displaying the following information:

- Frames must have an accessible name** (1 violation)
- Providing an accessible name allows web visitors utilizing a screen reader to know what is contained in an iframe or frame embed. This information allows users to more quickly determine whether they want to drill into the embedded content or skip over it when navigating webpage content.**
- Impact:** serious
- Violations**
  - WCAG 2.1 Level A: [4.1.2 Name, Role, Value](#)
  - Section 508: 1194.22 (i) Frame titles for identification and navigation

The sidebar also includes a navigation menu with icons for various accessibility features and a bottom section showing "1 of 1" violations.

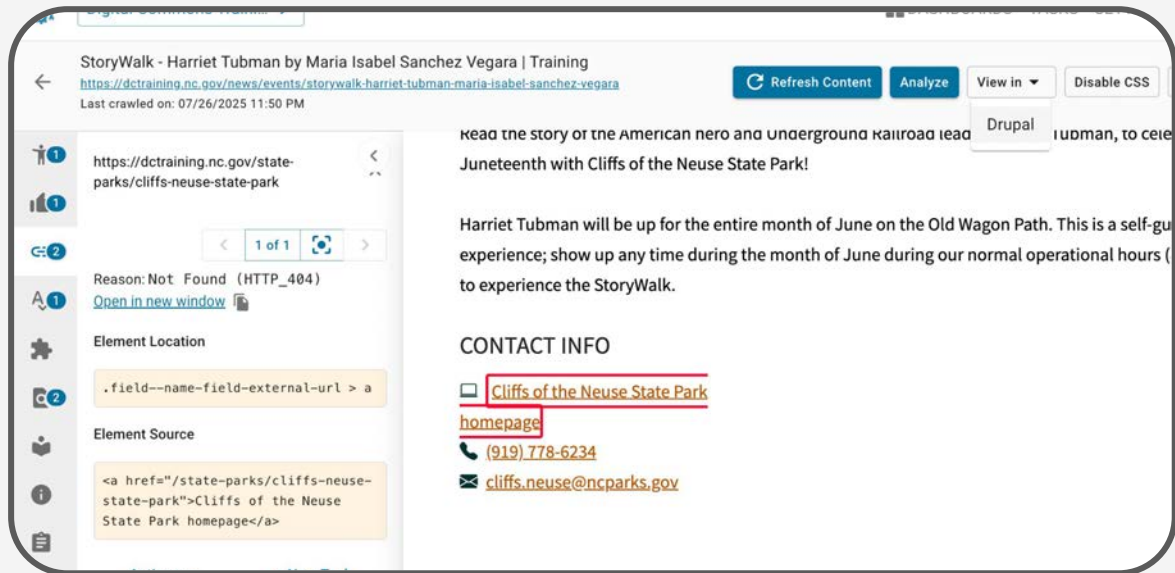
# Link text should be descriptive

Update Click Here text: "Click Here example used as link text"



# Fix broken links

- Update link location to new URL





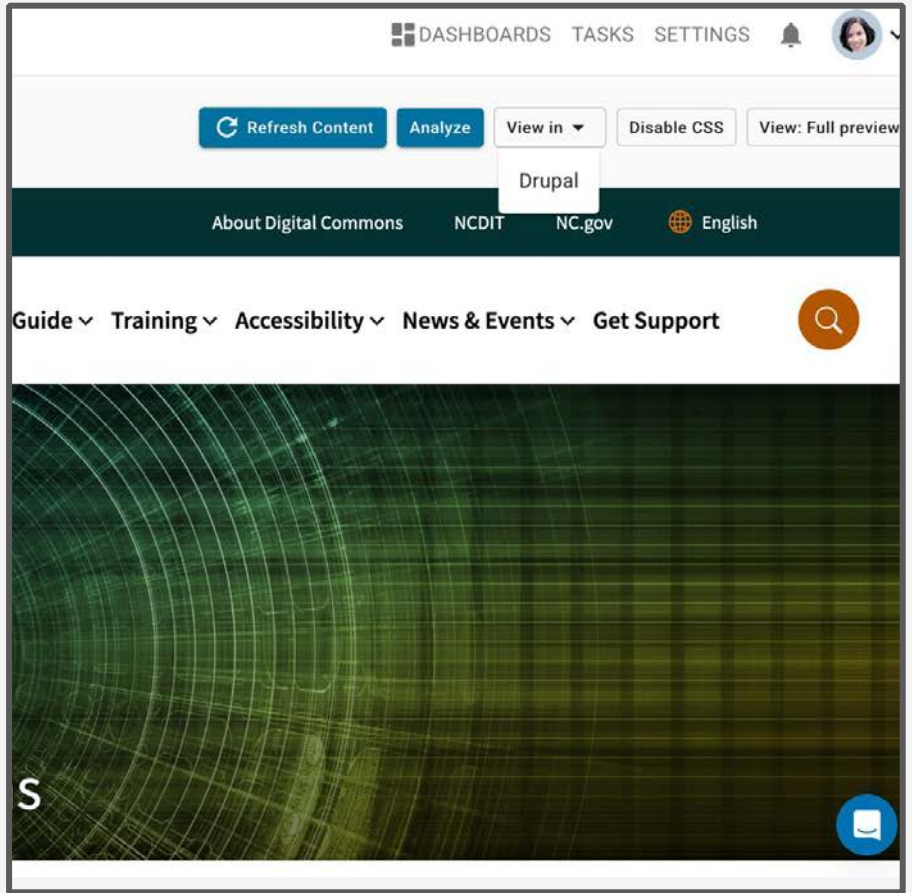
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DubBot

# Deep Link from DubBot to Drupal



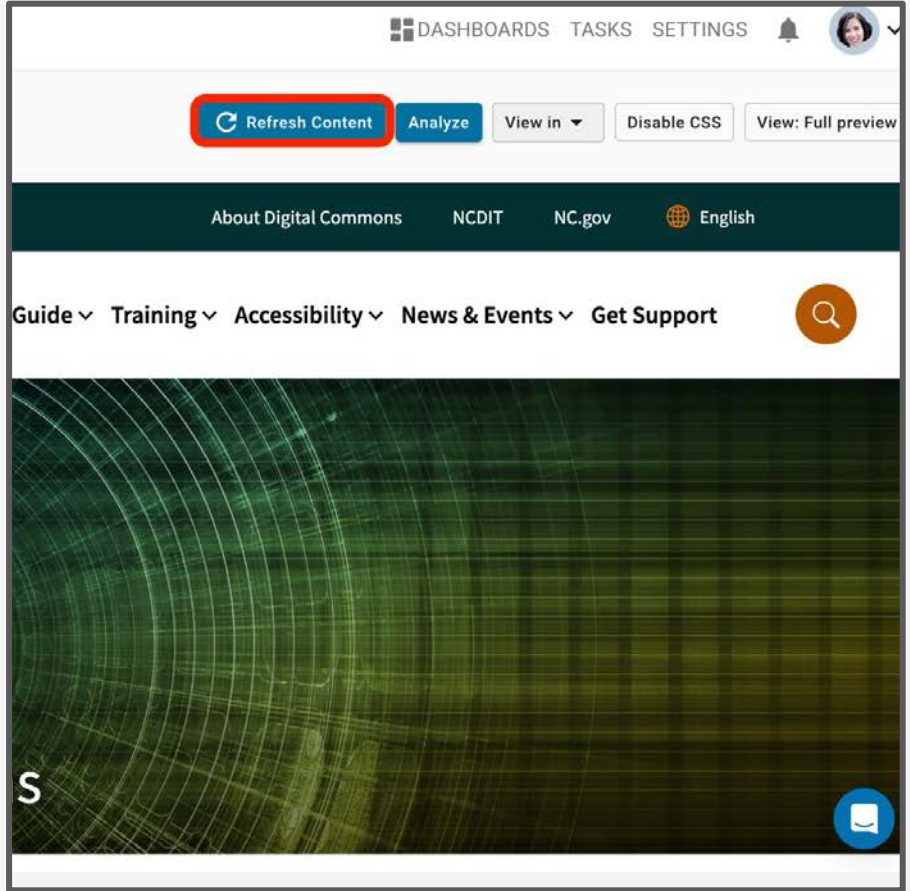
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DubBot

# Check your change in DubBot



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# Thank you



Questions? Contact

[penny.kronz@dubbot.com](mailto:penny.kronz@dubbot.com)

[help@dubbot.com](mailto:help@dubbot.com)